

Application/Control Number: 10/784,981
Art Unit: 1713

In the Claims

Please amend claims 3 and 11-14 and add new claims 15-17 as follows:

1. (original) A thermosetting composite material, particularly for manufacturing sanitary articles and kitchen sinks, comprising a polymeric matrix that incorporates a filler material distributed in said matrix, wherein said filler material is constituted by glass particles the preponderant fraction of which has a size distribution from 0.2 to 1.5 mm.

2. (original) The composite material according to claim 1, wherein said polymeric matrix is constituted by a solution of polymethyl methacrylate in methyl methacrylate.

3. (currently amended) The composite material according to claim 1, wherein said filler material is comprised in a percentage from 60 to 85%[,]
~~preferably 70-80%.~~

4. (original) The composite material according to claim 1, wherein said polymeric matrix is introduced in a percentage from 40 to 15%.

5. (original) The composite material according to claim 1, wherein said polymeric matrix is constituted by a syrup of polymethyl methacrylate in methyl methacrylate, in which the polymethyl methacrylate percentage is from 25 to 30% by weight of the matrix.

6. (original) The composite material according to claim 1, comprising a catalyst in a percentage from 0.5 to 0.8%.

7. (original) The composite material according to claim 1, comprising, in said polymeric matrix, coloring fractions at a concentration from 1 to 5% with respect to the weight of the matrix.

8. (original) The composite material according to claim 1, wherein said filler is constituted by colored glass.

9. (original) The composite material according to claim 1, wherein said filler material has a coating layer made of organofunctional silane particles.

10. (original) The composite material according to claim [1] 5, wherein the

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preponderant fraction of said glass particles have a size from 0.4 to 0.9 mm.

11. (currently amended) The composite material according to claim [1] 5, comprising from 1 to 2.5% by weight with respect to the syrup of a cross-linking agent.

12. (currently amended) The composite material according to claim [1] 5, comprising from 0.1 to 0.2% by weight of said syrup of a release agent.

13. (currently amended) The composite material according to claim [1] 5, comprising from 0.2 to 1% by weight of said syrup of an antisetling agent.

14. (currently amended) The composite material according to claim [1] 5, comprising from 0.5 to 1% by weight of said syrup of organofunctional silanes.

15. (new) The composite material according to claim 3, wherein the filler material is comprised in a percentage from 70 to 80% by weight.

16. (new) A thermosetting composite material, particularly for manufacturing sanitary articles and kitchen sinks, comprising a polymeric matrix that incorporates a filler material distributed in said matrix, wherein said filler material is constituted by glass particles the preponderant fraction of which has a size distribution from 0.2 to 1.5 mm, said filler material being comprised in a percentage from 60 to 85%.

17. (new) A thermosetting composite material, particularly for manufacturing sanitary articles and kitchen sinks, comprising a polymeric matrix that incorporates a filler material distributed in said matrix, wherein said filler material is constituted by glass particles the preponderant fraction of which has a size distribution from 0.2 to 1.5 mm, said particles being spherical particles or a mixture of spherical particles and irregular particles.